

INVITATION TO BID



Department Of Executive Services
Finance and Business Operations Division
Procurement and Contract Services Section
206-684-1681 TTY Relay: 711

DATE ADVERTISED: February 2, 2006

ITB Title: Main Service Electrical Switchgear

ITB Number: IT13018-ART

Due Date: February 23, 2006 - 2:00 P.M.

Buyer: Alan Terhune, Alan.Terhune@metrokc.gov, 206- 684-1067

Terms and Conditions: Bidders be advised that including your company's Terms and Conditions with your bid may render your bid non-responsive.

PRE-BID CONFERENCE: Will be held on February 13, 2006, at 1:00PM, Room 320, King County Administration Building 500 4th Avenue, Seattle, WA 98104

Sealed Bids are hereby solicited and will **ONLY** be received by:
King County Procurement Services Section
Exchange Building, 8th Floor
821 Second Avenue
Seattle, WA 98104-1598
Office Hours: 8:00 a.m. - 5:00 p.m.
Monday - Friday

OFFEROR MUST COMPLETE AND SIGN THE FORM BELOW (TYPE OR PRINT)

Company Name

Address

City / State / Postal Code

Signature

Authorized Representative / Title

Email

Phone

Fax

Delivery guaranteed: ☐ Yes ☐ No

Days after order:

Prompt Payment Discount Terms:

%- Days, Net

Prime Proposer SEDB / DBE Certification number (if applicable - see [Section 1-24](#))

This Invitation to Bid will be provided in alternative formats such as Braille, large print, audiocassette or computer disk for individuals with disabilities upon request.

SECTION 1 - BIDDING INSTRUCTIONS AND PURCHASE CONTRACT CONDITIONS

1-1 EXPLANATION TO OFFERORS

All questions and any explanation desired by an offeror regarding the meaning or interpretation of the solicitation, drawings, specifications, etc., must be requested in writing and directed to the named buyer not later than seven (7) days prior to the due date specified in the solicitation. Oral explanations or instructions given before the award of the contract will not be binding. Any information given to a prospective offeror concerning a solicitation will be furnished to all prospective offerors as an amendment to the solicitation, if such information is necessary to offerors in submitting offers on the solicitation or if the lack of such information would be prejudicial to uninformed offerors.

1-2 SUBMISSION OF OFFERS

- A. The **original and (3) copy(s)** of this entire solicitation document package shall be signed and submitted complete. Original shall be noted or stamped "original". Offerors shall use and complete this document for their response, are encouraged to use recycled paper in the preparation of additional documents submitted with this solicitation, and shall use both sides of paper sheets where practicable. Failure to return the entire solicitation document with offer will result in disqualification of the offeror.
- B. Offers and modifications thereof shall be enclosed in sealed envelopes and addressed to the office specified in the solicitation. The offeror shall show the solicitation title and number, the due date specified in the solicitation for receipt, and the name and address of the offeror on the face of the envelope. Offerors are cautioned that failure to comply may result in non-acceptance of the offer.
- C. Telegraphic or electronic offers will not be considered. Modifications to offers already received may be made by telegram provided the actual telegram is received prior to the hour and date specified for the bid opening.
- D. Samples of items, when required, must be submitted within the time specified and, unless otherwise specified in the solicitation, will be submitted without expense to the County. If not destroyed by testing, samples will be returned at the offeror's request and expense unless otherwise specified.
- E. All offers submitted shall be firm offers for a minimum period of 60 days after the bid opening date unless otherwise stated in writing in the offer.

1-3 FAILURE TO SUBMIT OFFER

If the recipient of this solicitation does not wish to submit an offer for the goods or services requested, they may return it and/or a written notice stating whether they wish to continue to receive future solicitations for the type of supplies or services specified.

1-4 LATE OFFERS

Offers, modifications of offers, and withdrawal of offers received at the office designated in the solicitation after the exact hour and date specified for receipt will not be considered.

1-5 PREPARATION OF OFFERS

- A. Offerors are expected to examine the drawings, specifications, delivery, schedules and all Instructions. Failure to do so will be at the offeror's risk.
- B. All offers shall be considered to be in strict compliance with the bid invitation specifications and the successful offeror will be held responsible therefore unless any and all variations from the

specifications are clearly described and sufficient supporting data is submitted with the bid to show their equivalency to the specifications.

- C. Each offeror shall furnish all information required by the solicitation. To be eligible for award the offeror must sign the solicitation and print or type their name in the space provided. Offers signed by an agent are to be accompanied by evidence of their authority unless such evidence has been previously furnished.
- D. Unit prices with extended totals for each item shall be listed and shall include all packing charges. Unit prices will be used as the basis for awards when an error in extending total amounts occurs.
- E. The prices quoted shall remain firm until all deliveries of goods and/or services are completed. Offers stating price in effect at the time of shipment will not be accepted.
- F. When indicated, King County will use prompt payment discount terms when evaluating offers, however, discounts terms of less the twenty (20) days will not be considered. The minimum acceptable payment terms without benefit of twenty (20) day discount shall be NET 30 days. List prompt payment discounts offered on page 1 of the solicitation.
- G. Taxes shall NOT be included in the bid prices. Applicable taxes will be added as a separate item. The offeror is cautioned that sales tax is a factor in evaluating the total cost to the County for awards.
- H. All deliveries shall be FOB destination unless otherwise specified by the County, or when specifically excepted by the offeror. All offerors of FOB origin shipments are cautioned that shipping costs are a factor in determining net costs to the County.
- I. Offeror must state a definite time for delivery of supplies or completion of performance of service unless otherwise specified in the solicitation.
- J. Time, if stated as a number of days, will include Saturdays, Sundays and holidays.
- K. Offerors are cautioned to note any requirement for certification of understanding shown in the solicitation. Offerors signing such certificates indicate understanding and agreement to comply with the specifications and will be held fully responsible.

1-6 MODIFICATION OR WITHDRAWAL OF OFFERS

Offers may be modified or withdrawn by mail or telegraphic notice received prior to the exact hour and date specified for receipt of offers. An offer also may be withdrawn in person by an offeror or authorized representative provided their identity is made known and they sign a receipt for the offers, but only if the withdrawal is made prior to the exact hour and date set for receipt of offers. All requests for modification or withdrawal of offers, whether personal, written, or telegraphic shall not reveal the amount of the original bid.

1-7 ACKNOWLEDGEMENT OF ADDENDA TO SOLICITATIONS

Receipt of an addendum to a solicitation by an offeror must be acknowledged by signing and returning the addendum.

Such acknowledgement must be received prior to the hour and date specified for receipt of offers.

1-8 GENERAL

- A. Offerors desiring to restrict offers to the basis of "Lots" or "All or None" must clearly indicate such restriction in writing in the offer.
- B. After award, the Buyer or authorized County representative shall have the option of rejecting or refusing delivery of any and all articles which are not in strict conformity with the requirements of

the specification and the offer. All such rejected articles must be promptly removed and replaced by new articles (which shall be subject to approval) at the offeror's own expense.

- C. Offers are understood as containing a warranty that all articles are in strict conformity with the requirements of the specifications.
- D. On failure to furnish promptly any articles specified in the contract, of the quality specified, the County reserves the right to purchase same in the open market, or of declaring such contract void, and if a greater price than the contract price has to be paid for any articles by purchasing it in the open market, the difference will be charged to the Contractor.
- E. Electronic Commerce and Correspondence:

King County is committed to reducing costs and facilitating quicker communication to the community by using electronic means to convey information. As such, most Invitations to Bid and Requests for Proposal, as well as related exhibits, appendices, and issued addenda can be found on the King County Internet Web Site, located at <http://www.metrokc.gov/procurement>. Please refer to the "RFPs, RFQs & ITBs / New / Goods/Services" portion of the site (note: some documents or portions thereof may not be posted on the site. Please note any special messages regarding a particular solicitation). This information is posted at the Web Site as a *convenience* to the public, and is not intended to replace the King County process of formally requesting bid documents and providing the County with contact information for the potential offeror. Each offeror bears the responsibility to confirm the completeness and accuracy of all documents pertaining to a given solicitation, including the receipt of all issued addenda.

If an offeror downloads a document from the Web Site and does not contact the Procurement Office to obtain a hard copy, the offeror *must* use the "Feedback" (Envelope) button at the bottom of the Web page to convey the offeror's company name, contact name, mailing address, and phone/fax number to the County. Please note which document/documents were downloaded.

After all offers have been opened in public, the County will post a listing of the offerors-submitting offers, or the name of a person to contact for bid results at the King County Internet site. Please refer to the "RFPs, RFQs & ITBs/ Awarded/ Goods/Services" portion of the site for a listing, as well as a notification of a final award.

1-9 SUBSTITUTIONS

When special brands, materials, design, style or size are named in the solicitation for any item, such specifications shall be construed to be shown solely for the purpose of indicating the standard of quality, performance or intended use. Where indicated in the solicitation, brands of equal quality, performance and use shall be considered, provided the offeror specifies the brand, model and submit with their offer other data necessary for comparison. The County shall retain the sole right to accept or reject substitute offers.

1-10 TAXES

- A. King County requires that all awarded Contractors have a Department of the Treasury Internal Revenue Service Form W-9 on file with King County to accommodate payment. If your firm does not have this form on file, or if you wish to obtain a copy, you may download a copy from either the King County web site¹, or directly from the Internal Revenue Department web site², or you may request one from the contact address and phone number on the front page of this bid form.
- B. King County is required to pay Washington State Sales or Use Taxes for most goods and services.

¹ The King County's web site is located at: http://metrokc.gov/procurement/resources/forms_gs.aspx

² The Internal Revenue Service web site is located at: <http://www.irs.gov/>

- C. King County is exempt from Federal Excise and Transportation Taxes. Said exemption is made pursuant to Chapter 32 of the Internal Revenue Code and Registry No. A-1 02374. When requested, an exemption certificate will be furnished.

1-11 AWARD OF CONTRACT

- A. An award of contract shall be subject to all applicable Federal and State laws, King County Code, and, to King County Contracting Opportunities Program (refer to paragraph 1-24).
- B. The contract will be awarded to the responsible, responsive offeror submitting the lowest price to the County subject to King County's Small Economically Disadvantaged Business (SEDB) Opportunities Program as stated on Attachment "A".
- C. The County reserves the right to reject any or all offers and to waive informalities and minor irregularities in offers.
- D. A written award or acceptance of offer mailed or otherwise furnished to the successful offeror within the time for acceptance shall be a binding contract without further action by either party.
- E. On any County award or rejection, the decision of the County shall be final.

1-12 AFFIRMATIVE ACTION AND NON-DISCRIMINATION IN CONTRACTING

The offeror shall comply with the provisions of King County Code Chapters 12.16, 12.17, 12.18, and all applicable state and federal anti-discrimination laws, rules, regulations and requirements.

1-13 INVOICES

Two copies of invoice(s) shall be submitted, unless otherwise specified. Invoices shall contain the following information: The purchase order/contract number, item numbers, description of supplies or services, sizes, quantities, unit prices, extended totals, and discounts offered, if applicable. Bill to the "SHIP TO" address on the purchase order unless otherwise notified. DO NOT BILL TO OR FORWARD INVOICES TO THE PROCUREMENT SERVICES SECTION.

1-14 PAYMENTS

The Contractor shall submit properly certified invoices to King County. All payments will be remitted by mail. The provisions or monies due under this contract shall not be assignable. The County will take advantage of any prompt payment discount terms offered. Discount periods must be extended if the invoice is returned for credit or correction. Payment is due the Contractor, on receipt and Acceptance of the Main Service Electrical Switchgear, per terms, conditions and specifications of this bid.

1-15 COOPERATIVE PURCHASING

The Washington State Interlocal Cooperative Act RCW 39.34 provides that other governmental agencies may purchase goods and services on this solicitation or contract in accordance with the terms and prices indicated therein if all parties are willing.

1-16 CONTINGENT FEE

The Contractor, subcontractor and each offeror certifies that:

- A. They have not employed or retained any company or person (other than a full-time bona fide employee working solely for the offeror) to solicit or receive this contract.
- B. They have not paid or agreed to pay any company or person (other than a full-time bona fide employee working solely for the offeror) any fee, commission, percentage or brokerage fee contingent upon or resulting from the award of this contract and agreed to furnish information relating to (A) or (B) above as requested by the County.

- C. They have not been asked or otherwise coerced, either expressly or impliedly, into contributing funds for any purpose as a condition to doing business with the County.

1-17 PROTEST PROCEDURE

King County has a process in place for receiving protests based upon either bids or contract awards. If you would like to receive or review a copy, please contact the Buyer named on the front page of this document or call Procurement Services at 206-684-1681.

1-18 ENVIRONMENTAL PURCHASING POLICY

Offerors able to supply products containing recycled and environmentally preferable materials that meet performance requirements are encouraged to offer them in bids and proposals.

The Offeror and Contractor shall use recycled paper for all printed and photocopied documents related to the submission of this solicitation and fulfillment of the contract and shall, whenever practicable, use both sides of the paper and ensure that the Submittal Response Form of each document bears an imprint identifying it as recycled paper. (Reference: KCC 10.16 & King County Executive Policy CON 7-1-2).

1-19 KING COUNTY CONTRACTING OPPORTUNITIES PROGRAM FOR GOODS AND SERVICES

King County Contracting Opportunities Program is a public contracting assistance program that is being implemented on a one-year pilot basis. The purpose of the program is to maximize the participation of Small Economically Disadvantaged Businesses (SEDB) through the use of a five percent (5%) incentive factor in the award of King County competitively bid contracts for the purchase of goods and services. The program is open to all SEDB certified by King County's Business Development and Contract Compliance Office. To learn more about this program see "Attachment A" of this solicitation.

SECTION 2 - OFFEROR QUALIFICATIONS, BID EVALUATION, AND AWARD

2-1 FINANCIAL RESOURCES AND AUDITING

If requested by the County, prior to the award of a contract, the successful offeror shall submit proof of adequate financial resources available to carry out the execution and completion of work required by this contract. This proof may include but shall not be limited to, audited financial statements such as balance sheets and statements of cash flow for each of the three (3) most recently completed fiscal years, documentation of an open line of credit or other arrangement with an established financial institution, certification of adequate financial resources provided by the successful offeror's principal financial officer or an independent accountant, or an onsite audit of the successful offeror's financial fitness to perform the contract, conducted by King County's Auditing Division.

King County reserves the right to audit the Contractor throughout the term of this contract to assure the Contractor's financial fitness to perform and compliance with all terms and conditions contained within this contract. King County shall be the sole judge in determining the Contractor's financial fitness in carrying out the terms of this contract.

2-2 QUALIFICATIONS

To be eligible for award, offerors shall be a bona fide franchised dealer or manufacturer of Square D Main Service Electrical Switchgear, or equal offered.

2-3 REFERENCES

List the names and addresses of four (4) customers, for whom the offeror has provided similar services, preferably in Washington State, for a period not less than one (1) year. Include dates, contact persons and telephone numbers. Should any reference submitted by an offeror be found unsatisfactory, King County, at its sole option, may reject that offeror's offer. King County shall be the sole judge in determining a satisfactory/unsatisfactory reference response. **References must be submitted with offer.**

Company Name	1. _____	2. _____
Company Address	_____	_____
Company Phone	_____	_____
Contact Person	_____	_____
Dates	_____	_____
Company Name	3. _____	4. _____
Company Address	_____	_____
Company Phone	_____	_____
Contact Person	_____	_____
Dates	_____	_____

2-4 EVALUATION

There are two parts to the bid evaluation process. Both parts must be submitted in a separate sealed package or envelope. The first part concerns Electrical Switchgear design and conformance to County specifications.

The second part shall contain the bid price.

For a description of this process see subsection 5-3 Submittals.

Upon award of a contract, additional deliverables will be due, as described under Section 7, Technical Specifications.

Offers meeting all other requirements of this ITB will be evaluated based upon price.

King County will use prompt payment discount terms in evaluation of this ITB, however, discounts terms of less the twenty (20) days will not be considered. Minimum acceptable payment terms by King County without benefit of twenty (20) day discount shall be NET 30 days. State payment terms below and transfer to Page 1 of this ITB.

_____ % - _____ DAYS, NET _____

The evaluation process will also include application of a 5% incentive factor for firms responding to this ITB that are certified and participating in King County's Contracting Opportunities Program.

2-5 AWARD

Award will be made to the firm deemed lowest responsive, responsible offeror, based upon total cost to the County, after application of the 5% incentive, if eligible.

King County will not split the award of this ITB.

SECTION 3 - GENERAL CONTRACT REQUIREMENTS

3-1 AFFIRMATIVE ACTION REQUIREMENTS KING COUNTY CODE CHAPTER 12.16

King County Code 12.16 relates to non-discrimination in employment and requires vendors to submit work force data to be eligible for a purchase order or contract award. For a vendor/contractor to receive a purchase order or contract, personnel employment data must be provided on the King County Personnel Inventory Report (PIR) when the amount of business placed with the firm will exceed \$25,000 for the year. The code also requires submission of a notarized Affidavit and Certificate of Compliance when orders during any one-year period are expected to amount to \$25,000 or more. After the initial submission, a PIR is required to be updated and resubmitted once every two years in order for the form to remain valid with the County. The Affidavit remains valid as long as an updated PIR is submitted once every two years.

In order to be eligible for receipt of a purchase order for this work, offerors/proposers must have the above listed forms on file with the County. Forms are to be filed with the Procurement & Contracts Services Section. Please contact the King County Procurement & Contracts Services Section at 206-684-1681, or the buyer listed in this document if you wish to receive a copy of these forms and/or have questions regarding their completion. Copies of the forms are also maintained at:

http://metrokc.gov/procurement/resources/forms_gs.aspx.

3-2 NON-DISCRIMINATION IN CONTRACTING AND EMPLOYMENT

King County Code Chapter 12.17 and 12.18, which relates to non-discrimination in contracting and fair employment practices, are incorporated by reference as if fully set forth herein and such requirements apply to this contract. In accordance with K.C.C. 12.17 and 12.18, neither the Contractor nor any party subcontracting under the terms and conditions of the contract shall discriminate or engage in unfair contracting or employment practices.

3-3 NON-DISCRIMINATION IN BENEFITS TO EMPLOYEES WITH DOMESTIC PARTNERS

King County's Equal Benefits (EB) Ordinance 14823 states that to be eligible for award of contracts at a cost of \$25,000.00 or more, firms must not discriminate in the provisions of employee benefits between employees with spouses, and employees with domestic partners. The successful Contractor, bidder or proposer shall be required to complete a Worksheet and Declaration form. Compliance with Ordinance 14823 is a mandatory condition for execution of a contract. The EB Compliance forms, and Ordinance 14823 are available online at:

http://www.metrokc.gov/procurement/documents/U_042_EB_Worksheet_Declaration.pdf.

3-4 SUPPORTED EMPLOYMENT PROGRAM

King County encourages the creation of supported employment programs for developmentally and/or severely disabled individuals. The County itself has such a program and is actively seeking to do business with those offerors that share this employment approach. If your firm has such a program, or intends to develop such a program during the life of this contract, please submit documentation supporting this claim with your bid/proposal/qualifications. If you have questions, or need additional information, please contact Ray Jensen, Community & Human Services, Developmental Disabilities Division at 206- 296-5268.

3-5 DESCRIPTIVE DATA AND SPECIFICATIONS

Submit complete descriptive data and specifications, including a statement of warranty, for the equipment offered.

3-6 NON-ASSIGNMENT

The Contractor may not assign any rights or delegate any duties under this contract without the County's prior written consent. Such consent must be in writing and received no less than sixty (60) days prior to the date of any proposed assignment and/or delegation.

3-7 INCORPORATION OF DOCUMENTS

The contract between the awarded offerer and King County shall include all documents mutually entered into, specifically including the contract document, the solicitation, and the Response to the solicitation. The contract must include, and be consistent with, the specifications and provisions stated in this solicitation.

3-8 SEVERABILITY

The invalidity or unenforceability of any provision of any resultant Contract shall not affect the other provisions hereof, and the Contract shall be construed in all respects as if such invalid or unenforceable provisions were omitted.

3-9 INDEMNIFICATION AND HOLD HARMLESS

- A. In providing services under this Contract, the Contractor is an independent contractor, and neither the Contractor nor its officers, agents or employees are employees of the County for any purpose. The Contractor shall be responsible for all federal and/or state tax, industrial insurance and Social Security liability that may result from the performance of and compensation for these services and shall make no claim of career service or civil service rights which may accrue to a County employee under state or local law.

The County assumes no responsibility for the payment of any compensation, wages, benefits, or taxes by or on behalf of the Contractor, its employees and/or others by reason of this Contract. The Contractor shall protect, indemnify, defend and save harmless the County and its officers, agents and employees from and against any and all claims, costs, and/or losses whatsoever occurring or resulting from (1) the Contractor's failure to pay any such compensation, wages, benefits or taxes; and/or (2) the supplying to the Contractor of work, services, materials, and/or supplies by Contractor employees or other suppliers in connection with or in support of the performance of this Contract.

- B. The Contractor further agrees that it is financially responsible for and will repay the County all indicated amounts following an audit exception which occurs due to the negligence, intentional act and/or failure for any reason to comply with the terms of this Contract by the Contractor, its officers, employees, agents, and/or representatives. This duty to repay shall not be diminished or extinguished by the prior termination of the Contract pursuant to the Duration of Contract, or the Termination section.

- C. The Contractor shall protect, defend, indemnify, and save harmless the County, [and the State of Washington (when any funds for this Contract are provided by the State of Washington)], their officers, employees, and agents from any and all costs, fees (including attorney fees), claims, actions, lawsuits, judgments, awards of damages or liability of any kind, arising out of or in any way resulting from the negligent acts or omissions of the contractor, its officers, employees, subcontractors of any tier and/or agents. The Contractor agrees that its obligations under this paragraph extend to any claim, demand, and/or cause of action brought by or on behalf of any of its employees, subcontractors of any tier or agents.

In addition to injuries to persons and damage to property, the term "claims," for purposes of this paragraph C, shall include, but not be limited to, assertions that the use or transfer of any software, book, document, report, film, tape, or sound reproduction or material of any kind,

delivered hereunder, constitutes an infringement of any copyright, patent, trademark, trade name, and/or otherwise results in unfair trade practice.

- D. For purposes of paragraphs A and C above, the Contractor, by mutual negotiation, hereby waives, as respects the County only, any immunity that would otherwise be available against such claims under the Industrial Insurance provisions of Title 51 RCW.
- E. In the event the County incurs attorney fees and/or costs in the defense of claims within the scope of paragraph A and C above, such attorney fees and costs shall be recoverable from the Contractor. In addition King County shall be entitled to recover from the Contractor its attorney fees, and costs incurred to enforce the provisions of this section.
- F. The indemnification, protection, defense and save harmless obligations contained herein shall survive the expiration, abandonment or termination of this Agreement.
- G. Nothing contained within this provision shall affect and/or alter the application of any other provision contained within this agreement.

3-10 TERMINATION

A. Termination for Convenience

The County for its convenience may terminate this contract, in whole or in part, at any time by written notice sent certified mail, return receipt requested, to the Successful Awardee. After receipt of a Notice of Termination, and except as directed by the contract administrator, the Successful Awardee shall immediately stop work as directed in the Notice, and comply with all other requirements in the Notice. The Successful Awardee shall be paid its costs, including necessary and reasonable contract close-out costs and profit on that portion of the work satisfactorily performed up to the date of termination as specified in the notice. The Successful Awardee shall promptly submit its request for the termination payment, together with detailed supporting documentation. If the Successful Awardee has any property in its possession belonging to the County, the Successful Awardee will account for the same and dispose of it in the manner the County directs.

B. Termination for Default

In addition to termination for convenience, if the Successful Awardee does not deliver supplies in accordance with the contract delivery schedule, or if the contract is for services and the Successful Awardee fails to perform in the manner called for in the contract, or if the Successful Awardee fails to comply with any other material provisions of the contract, the County may terminate this contract, in whole or in part, for default. Termination shall be effected by serving a Notice of Termination by certified mail (return receipt requested) on the Successful Awardee setting forth the manner in which the Successful Awardee is in default and the effective date of termination; provided that the Successful Awardee shall have ten (10) calendar days to cure the default. The Successful Awardee will only be paid for goods delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract less any damages to the County caused by such default.

The termination of this contract shall in no way relieve the Successful Awardee from any of its obligations under this contract nor limit the rights and remedies of the County hereunder in any manner.

C. Termination for Non-Appropriation

This contract may be canceled at the end of the then current fiscal period for non-appropriation of funds by the King County Council. Such cancellation shall be upon thirty (30) days written notice to the Successful Awardee. King County's fiscal period ends December 31 of each year. If the contract is terminated as provided in this subsection:

The County will be liable only for payment in accordance with the terms of this contract for services rendered prior to the effective date of termination; and

The Successful Awardee shall be released from any obligation to provide further services pursuant to the contract as are affected by the termination.

Funding under this contract beyond the current appropriation is conditional upon the appropriation by the County Council of sufficient funds to support the activities described in this contract. Should such an appropriation not be approved, the contract will terminate at the close of the current appropriation year.

SECTION 4 - SPECIFIC CONTRACT TERMS AND CONDITIONS

4-1 DELIVERY

Delivery is required as soon as possible and not later than (98) ninety eight days after placement of an order. Offerors shall state the number of days in which they will guarantee delivery after receipt of order. Bid prices shall include delivery, FOB destination, to the following location.

King County Courthouse
516 Third Avenue
Seattle, WA 98104
Attn: Chris Erickson 206- 296-0932

4-2 INSURANCE REQUIREMENTS

By the date of execution of this Contract the ("Contractor") shall procure and maintain for the duration of this Contract insurance against claims for injuries to persons and/or damages to property which may arise from, or in connection with the performance of work hereunder by the contractor, its agents, representative, employees, and/or subcontractors. The cost of such insurance shall be paid by the Contractor.

The Contractor shall furnish proof of Commercial General Liability insurance in the amount of the least \$1,000,000 combined single limit, \$2,000,000 aggregate, with King County its officers, employees, and agents covered as additional insureds.

The Contractor shall furnish proof of Stop-Gap Employers Liability of \$1,000,000; and Professional Liability, Errors and Omissions for \$1,000,000 Per Claim/Aggregate.

The Contractor shall furnish proof of Workers' Compensation: Statutory Requirements of the State of Residency.

All insurance policies shall be endorsed with the following declaration, "King County, its officers, employees, and agents are covered as additional insureds."

4-3 WARRANTY

- A. The Contractor hereby warrants itself that for a period of two (2) years from the date of final acceptance, they will at their own expense and without cost to the County, replace all defective parts and make any repairs that may be required or made necessary by reason of defective design, material or workmanship.
- B. Claims: The offeror shall provide "on the spot" settlement of warranty claims or disputes, and authorize local representatives to act on the equipment manufacturer's behalf.

SECTION 5 - TECHNICAL SPECIFICATIONS

SECTION 16422

SWITCHGEAR

PART 1 - GENERAL

5-1 SECTION INCLUDES

- A. Main Service Switchgear assembly including:
 - 1. USERC Compliant Utility CT and Metering Structures
 - 2. Main and Tie Structures
 - 3. Feeder Distribution Structures
 - 4. Main, Tie and Feeder Over-current Protective Devices
 - 5. Customer Power Monitoring Equipment
 - 6. Feeder Conduit Entry Top-Hat Pull Section
 - 7. Service Entrance Busway assembly
 - 8. Modified differential ground fault protection
 - 9. Instrumentation components including PT's, CT's, control transformers, relays and other appurtenances as required to implement the intended fully-functional switchgear line-up.
 - 10. Engraved laminated phenolic nameplate placards.
- B. Contract Requirements:
 - 1. This specification applies to the procurement of the material assemblies and appurtenances indicated above. Installation will be included in a separate Owner assigned contract not specified herein.
 - 2. Performance timeline: To ensure that the construction schedule is maintained, the Manufacturer is required to deliver the procured materials to the designated location no later than fourteen weeks beyond the executed contract date.
 - 3. "Manufacturer" and "Contractor", and like permutations of such, are for all intents and purposes, used interchangeably throughout this Specification as they are one and the same entity; referring to the responsible party involved with furnishing and delivering the material to the designated project site.
 - 4. Project Site location: King County Courthouse 516 Third Avenue, Seattle, WA 98104
 - 5. Items of Work shown on drawings and not specified, or otherwise mentioned in the specifications and subsequently not shown on the drawings, shall be considered required as if they had been both specified and shown on the Drawings. Any work or material omitted from the description of the work but which is clearly implied shall be furnished as though specifically stated. The Drawings and Specifications are complimentary and contemplate a finished piece of Work of such character and quality as described in and reasonably inferred from them. Failure to show details or repeat on any drawings, the figures or notes given on another, shall not be cause for additional charges or claims.
 - 6. Equipment shall be furnished new, shall be free from defects in material and workmanship, and shall be wholly fit for the intended function and application described in the contract documents.

7. To ensure suitable routing of equipment through the existing building, deliver equipment to the Owners project site in individually packaged shipping sections not to exceed dimensions of 6'-0" x 7'-11" x 5'-0" each. For this purpose, it is assumed that the structure sections will be handled in other than upright positions. Draw-out Over-current protective devices and associated racking rails shall be individually crated and shipped separate from the switchboard structures. Additional removable steel base channels shall be temporarily attached to structures to ensure adequate rigidity during shipping and handling, and to allow for proper alignment during installation.
8. To ensure proper operation, include a comprehensive functional factory test of the complete assembled switchgear line-up with all associated over-current protective components, ground fault protective interconnections and customer metering installed. Factory preset all adjustable protective device coordination settings as indicated or otherwise directed by the Engineer of Record.

5-2 STANDARDS AND CODES

- A. All equipment, materials, and the design, construction, installation, and application thereof shall comply with all applicable provisions of the National Electrical Code (NEC), the Occupational Safety and Health Act (OSHA), and any applicable federal, state, and local ordinances, rules and regulations. All materials and equipment specified herein shall be within the scope of Nationally Recognized Testing Laboratory (NRTL) examination services, be approved by the NRTL for the purpose for which they are used, and shall bear the appropriate listing label.
- B. Equipment listed/labeled by an NRTL shall be as dictated by the latest printing of the Electrical Testing Laboratories Accreditation Report available from the State of Washington Department of Labor and Industries, Electrical Inspection Division. Any NRTL listing/labeling shall be as accepted by the local authority having jurisdiction.
- C. When a product is not available with a testing laboratory listing for the purpose for which it is to serve, the product may be required by the inspection authority to undergo a special inspection at the manufacturer's place of assembly. All costs and expenses incurred for such inspections shall be included in the original contract price.

5-3 SUBMITTALS

- A. General Requirements: Submittals will include three distinct packages; one will be a pre-qualification submittal, one will be a post bid award submittal, and the final requirement will be the operations and maintenance submittal. The following paragraphs describe requirements for all submittal types except as otherwise expressly noted:
 1. Initial material submittals shall be furnished as a comprehensive and complete packaged set. Each submitted item shall be clearly marked and provided with adequate sales and technical information to illustrate conformance with all aspects of the specification. Packages not provided as described above or largely incomplete shall be returned without review or comment.
 2. The Manufacturer shall ensure that the material being proposed conforms to the Contract requirements. In the event of any variance, the Manufacturer shall state specifically which aspects of their materials vary from the project requirements and shall formally request this variance in writing along with their prequalification submittals. Such variance does not apply to the maximum allowed physical dimensions, which are an indisputable contract requirement. Variances shall not have adverse consequential impacts to general construction, established project engineering, or on other building infrastructure systems.
 3. The Manufacturer shall provide shop drawings on 11" x 17" sheets (maximum), and shall be scaled using standard architectural scales. Wiring diagrams shall identify circuit terminals,

and indicate the internal wiring for each item of equipment and the interconnection between each item of equipment.

4. Failure on the part of the manufacturer to submit a specified item does not relieve the Manufacturer from meeting the full requirements of this Specification.
5. For Post Bid-Award submittals and Operations and Maintenance manuals only: The Owner's Technical Representative will review the initial submittal package and one subsequent re-submittal for each item. Additional submittal reviews, which may be required beyond those stated, shall be conducted at the Manufacturer's expense. The Manufacturer shall be billed at the Owner's Technical Representative's current hourly rates for these subsequent submittal reviews.

- B. Prequalification Submittals: These submittals are required for each Bidder and shall be submitted separate from the sealed bid-forms. Each prequalification package will be reviewed for general compliance and equivalency to the project basis of design requirements. Prequalification packages, which upon initial review, are deemed to be unsuitable for use on the project, will be returned to the disqualified Bidder, along with the sealed envelope containing the un-opened bid-form package.

Submittals shall include:

1. Manufacturer's name, address, and telephone number.
2. A comprehensive package containing detailed descriptions and performance characteristics of each constituent component of the switchgear assembly including draw-out breakers, adjustable trip units, customer metering, and switchboard structures.
3. Clearly indicate fault bracing of switchboard and interrupting capacity of over-current protective devices to demonstrate fully-rated criteria has been met using re-settable breaker devices (without fusing.)
4. Assemble and submit a comprehensive drawing of the switchboard one-line diagram showing all protective devices and internal bus ratings. Drawing shall be produced on standard 11" x 17" sheet format.
5. Assemble and submit a comprehensive set of elementary layout drawings, plan and elevations, showing all device arrangements within the assembled gear, dimensions of structures, and project-specific assembled (comprehensive) switchboard line-up. Indicate layout dimensions for busway and top-hat conduit-entry elements. Drawings shall be produced on standard 11" x 17" sheet format. Indicate shipping split break-points within the assembled line-up.
6. Indicate required access clearance in front and rear of the assembled switchboard line-up to demonstrate the switchgear assembly complies with NEC code-requirements within the allocated space. Indicate if panel closures are removable type, or on hinged elements to ensure that door will not be obstructed within the space. Indicate minimum dimensions required for breaker rack-out space.

- C. Post Bid-Award Submittals: Shall be submitted by the successful Bidder, bound in a three-ring binder, labeled with the project name and Manufacturers firm name, and the name and contact number of the Manufacturers project representative. An index sheet shall be provided showing each product being submitted. Submittals shall be provided with section tabs segregated per the Section Includes list indicated in Part 5-1, A above. Each equipment submittal sheet shall be labeled with the project-specific equipment name and ordering number.

Submittals shall include:

1. Manufacturer's name, address, and telephone number

2. A comprehensive bill of materials including quantities, trade name, catalog model or number
 3. Material description of individual discrete functional components. Include material descriptions, physical dimensions, capacities, settings, and nameplate data. Provide materials in sufficient detail to illustrate complete compliance with the requirements of the contract documents.
 4. Multi-component shop drawing assembly layout including overall dimensions, capacity, specific device layout within the assembly. Show assemblies in plan view, and in each elevation perspective.
 5. A scaled drawing of each nameplate placard with text as approved by the Owner.
 6. Local manufacturers representative (if applicable) name, address and telephone number.
- D. Operations and Maintenance Manual submittal: Shall be submitted by the successful Bidder, bound in a three-ring binder, labeled with the project name and Manufacturers firm name, and the name and contact number of the Manufacturers project representative. An index sheet shall be provided showing each product being submitted. Submittals shall be provided with section tabs segregated per the Section list indicated in Part 1.1A above. Each equipment information sheet shall be labeled with the project-specific equipment name and ordering number.

Submittals shall include:

1. Include three sets of complete installation, operation, and maintenance materials in a three-ring binder, with edge labeled nomenclature "Switchboard Installation, Maintenance and Operation Manual for King County Courthouse".
2. Include all materials items listed under "Post Bid-Award submittals" with additional information as indicated herein.
3. Include all documentation necessary for initial setup and installation including proper handling, alignment, adjustment, assembly, anchorage, termination, and field testing required to ensure a sound and workmanlike installation.
4. Include information regarding periodic servicing and inspections as required. Include as part of this required material, recommended service schedules and procedures.

5-4 WARRANTY

- A. The Manufacturer shall warrant the materials free from defects in material and workmanship for a minimum period of two years after delivery and acceptance to the project site.

PART 2 - PRODUCTS

5-5 SWITCHGEAR

A. Structures:

1. NEMA Class III design equipped with hinged and latched rear access panels and hinged front panels for breaker and metering compartments. Basis of Design: Square D QED 6.
2. The main bus to run continuously through the switchgear. Include a fully rated neutral conductor insulated from the switchgear frame and supported in the same manner as the phase conductors.
3. Silver-plated copper bus, fully insulated and isolated, and braced for a minimum 150KA available fault current. Bus assemblies shall be fully-rated along the entire length and shall not utilize tapered design.
4. Provide copper ground through each vertical section.
5. Size bus and connecting stabs for individual breakers for the full capacity of the breaker frame size and not for the trip setting of the over-current protective devices. Design shall include protective shutters for bus isolation when breakers are removed.
6. Completely isolate outgoing feeder cable terminal compartment from the main bussing. Use suitable insulating type barriers. Provide terminal strips for remote control and status features. Include internal provisions within the cabling compartment sections for lacing and securing cables against movement due to available fault currents.
7. Provide an integrated source of power to all main and feeder device charging motors required for operation and derived from integral bus taps. Alternate control power sources shall not be required.
8. Incoming main sections shall be UL service entrance labeled.
9. Manufacturer's standard ANSI 61 medium gray finish.
10. Provide a portable floor-mounted breaker lifting device.
11. Spaces totally equipped to accept future carriage and feeder breaker without any outages required.

B. Main, Tie and Feeder Breakers:

1. Draw out power circuit breaker, Square D NWL1, or Approved Equal.
2. Electronic solid state trip unit with adjustable instantaneous over-current, long-time over-current, short-time over-current, and ground fault trip settings. Square D Micrologic Type 5.0P for LSI type (6.0P for LSIG type), or Approved Equal. Include power supply if required, to support display without need for minimum electrical loading.
3. Current sensing of true RMS current.
4. Frame and trip setting per drawings. Provide electrically operated closing feature for remote and automatic operation.
5. Overload and Short Circuit Protection: Each breaker with integral breaker current sensors to provide overload, short circuit and ground fault protection with adjustable long time, short time, and instantaneous settings. Overcurrent settings adjustment on the breaker protection unit. Interchangeable rating plugs shall be available.
6. Zone selective interlocking feature.
7. Breaker Programmer Test Kit (one required for project).

8. Include the following ground fault protection equipment on breakers:
 - a. Overall switchboard ground fault protection scheme shall be modified differential type.
 - b. Sensor(s) installed and connected to indicate the sum of all phase and neutral currents. A sensor in the grounding leg will not be considered satisfactory.
 - c. Single-phase sensor.
 - d. An overcurrent device operated by the above sensor current. Over current trip point shall be adjustable (Calibrated scale indication) from 20 percent to 60 percent of the breaker rating.
 - e. The device shall also include an adjustable time delay device (calibrated scale indication) from 0.1 second or less to 1 second.
 - f. A trip device on the breaker (or switch) operated by a contact on the overcurrent and anti-single phase device. Switches shall be equipped with stored energy electric trip. The electric trip device shall be designed to operate at 55 percent of rated voltage, and the operating time from energization to complete opening of switch shall be 10 cycles maximum. The electric trip device shall be piloted by the output of ground fault sensing circuitry.
 - g. Zone selective interlocking feature to delay upstream device tripping until feeder has chance to trip.
- C. Instrumentation: Equip each switchgear assembly with the following instrumentation, and electronic system.
 1. Potential leads and current transformers to include facilities for portable testing equipment.
 2. See "Customer Power Monitor" paragraph
- D. Contact Devices:
 1. For each main and feeder provide auxiliary contacts. Factory wire to terminal strips in a single switchgear instrument section.
 - a. Breaker open, closed, and derangement monitoring.
 - b. Ground fault trip status.
 - c. Shunt trip status.
- E. Control Power
 1. Derived from control power transformers with relays.
- F. Customer Power Monitor
 1. Metering and Alarm Functions:
 - a. Current for each phase and neutral
 - b. RMS phase to neutral voltage for each phase,
 - c. RMS phase to phase voltage for each phase
 - d. Cumulative KWH
 - e. 3-phase peak KW demand per NEC Article 220.87
 - f. Real power (KW), apparent power (KVA) and reactive power (KVAR) for each phase.
 - g. Power factor for each phase
 - h. Frequency for each phase

- i. Event waveform capture (up to 64-seconds)
 - j. Sag/swell alarming function.
 - k. Ground-fault alarming function.
 - l. Load shed control capability
 - m. Expandable memory.
 - n. External remote Modbus gateway communications and TCP/IP protocol enabled.
- 2. Provide the ability to reset the energy, peak demand and peak capacity values; pulse-type output for KW hour demand, either from separate devices or FPU, available for Owner's use.
 - 3. Square D PowerLogic Type CM-4000, or Approved Equal. Provide with internal communications wiring to interconnect monitor with trip units.
 - 4. Include power supplies as required to properly support system alpha-numeric display unit without need for minimum system loading.

5-6 MANUFACTURER

- A. Square D, or Approved Equal. All constituent components of the assembly, except those identified by alternative Manufacturers in this specification, shall be a regularly manufactured product of the assembler.

5-7 SWITCHGEAR DIMENSIONS

- A. Overall height of the board maximum 94 inches. Length and depth not to exceed dimensions as detailed on drawings, or as approved.

5-8 UTILITY METERING COMPARTMENT

- A. Incoming utility current transformer compartments to be front or rear facing as required by design objectives.
- B. To be EUSERC standard compliant per Seattle City Light (SCL) requirements.
- C. To include metering sockets per SCL Metering Department requirements.

5-9 TOP-HAT CONDUIT ENTRY PULL SECTION

- A. Code-gauge steel enclosure to fit at the top of switchboard structure to allow for conduit entry into the switchboard wiring termination compartment.
- B. Interior of the top-hat pull section shall have removable panels accessible from the rear of the switchboard assembly to allow access to wiring compartment.
- C. Top-hat to fit between the overhead service entrance busway and the top of switchboard.

5-10 SERVICE ENTRANCE BUSWAY

- A. Features:
 - 1. 4000-ampere silver-plated copper busway with minimum 200KA fault-current withstand rating.
 - 2. Totally enclosed design.
 - 3. Straight and various 90-degree elbow transition sections as required per drawing layout.
 - 4. Wall-penetration flange collar for 8" CMU fire-rated assemblies.

5. 24"-wide x 6"-high maximum cross-section dimensions.
6. Open flange through-wall termination for utility cable connections.
7. Steel support trapeze hangers.
8. Square-D I-line II CFH2-540 Series, Cutler-Hammer or approved equal.

5-11 NAMEPLATES

- A. Provide an engraved laminated phenolic nameplate placard for each and every instrument, protective device and disconnect device for the entire assembly.
- B. Placards shall be attached with stainless-steel hardware fasteners.
- C. Placards shall be black with white letters and minimum font height of ½".
- D. Include individual placards for the sub-assemblies indicating "MAIN SERVICE SWITCHBOARD – WEST SECTION", "MAIN SERVICE SWITCHBOARD – EAST SECTION" and "MAIN SERVICE SWITCHBOARD –TIE SECTION" respectively in 1"-high letters.

5-12 CLEATS

- A. Provide for securing all feeder cables within the switchgear.

PART 3 - EXECUTION**5-13 INSTALLATION**

- A. Installation is not included in this contract.
- B. Manufacturer to include provisions, hardware and instructions to anchor structures per seismic Zone-3 requirements.

5-14 EQUIPMENT START-UP AND INSPECTION

- A. Provide services of manufacturer's field representative for equipment start-up and check out. Provide two individual 8-hour sessions non-coincident with training sessions.

5-15 TRAINING

- A. Provide two eight-hour sessions, sixteen (16) hours total, of on-site instruction for Owner and their project representatives. Include as part of the basic contract all instructional materials, labor, travel, and per-diem as required. The first session shall be a pre-installation construction conference, the second will be to demonstrate operations and maintenance of the equipment upon completion of the installation. Instruction dates will be non-concurrent.

SECTION 6 - PRICING

Time is of the essence in the supply, and delivery of Main Service Electrical Switchgear.

Bidders be advised that including your company's Terms and Conditions with your bid may render your bid non-responsive.

Bid prices shall include delivery, FOB destination, to the following location.

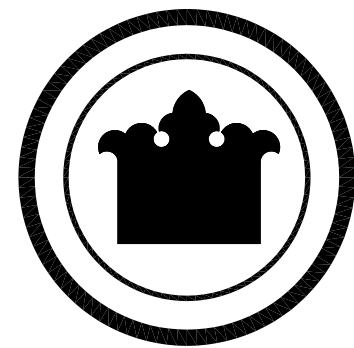
King County Courthouse
516 3rd Avenue
Seattle, WA 98104
Attn: Chris Erickson

Quantity	Description	Bid Price
One Lot	<p>Supply, and Delivery of one Main Electrical Switchgear package, per bid specifications, including shipping, FOB Seattle, WA, King County Courthouse.</p> <p><u>Bid price is to include all costs, with the exception of Sales Tax</u></p>	\$ _____

KING COUNTY COURTHOUSE

COURTHOUSE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS

SWITCHBOARD PROCUREMENT PACKAGE PLANS



KING COUNTY COURTHOUSE COURTHOUSE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS SWITCHBOARD PROCUREMENT PACKAGE

KING COUNTY COURTHOUSE
516 THIRD AVENUE
SEATTLE, WA 98104

CONSULTANTS:

ELECTRICAL ENGINEER
TETRA TECH/KCM
18311 BOTHELL EVERETT HIGHWAY, #260
BOTHELL, WA 98012
(425) 402-6029
FAX: (425) 483-3989
CONTACT: JOHN RICE, P.E.

SHEET INDEX

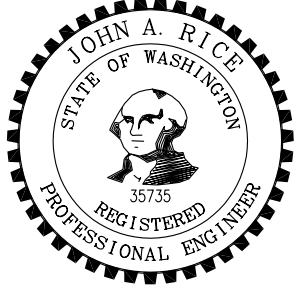
ELECTRICAL	
60.IP	COVER SHEET
E1.OP	ELECTRICAL SYMBOLS
E2.OP	ELECTRICAL SWITCHBOARD ROOM PLAN
E3.OP	SWITCHBOARD ELEVATIONS
E4.OP	ONE-LINE DIAGRAM




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CONSULTANT:

ELECTRICAL ENGINEERS:
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18311 BOTHELL EVERETT HWY.
SUITE #260
BOTHELL, WA 98102



EXPIRES 01/22/06



EXPIRES 2/10/07

NO.	DATE	DESCRIPTION
REVISIONS		

PROJECT:
KING COUNTY COURTHOUSE




























































COURTHOUSE ELECTRICAL
DISTRIBUTION SYSTEM
IMPROVEMENTS,
SWITCHBOARD PROCUREMENT

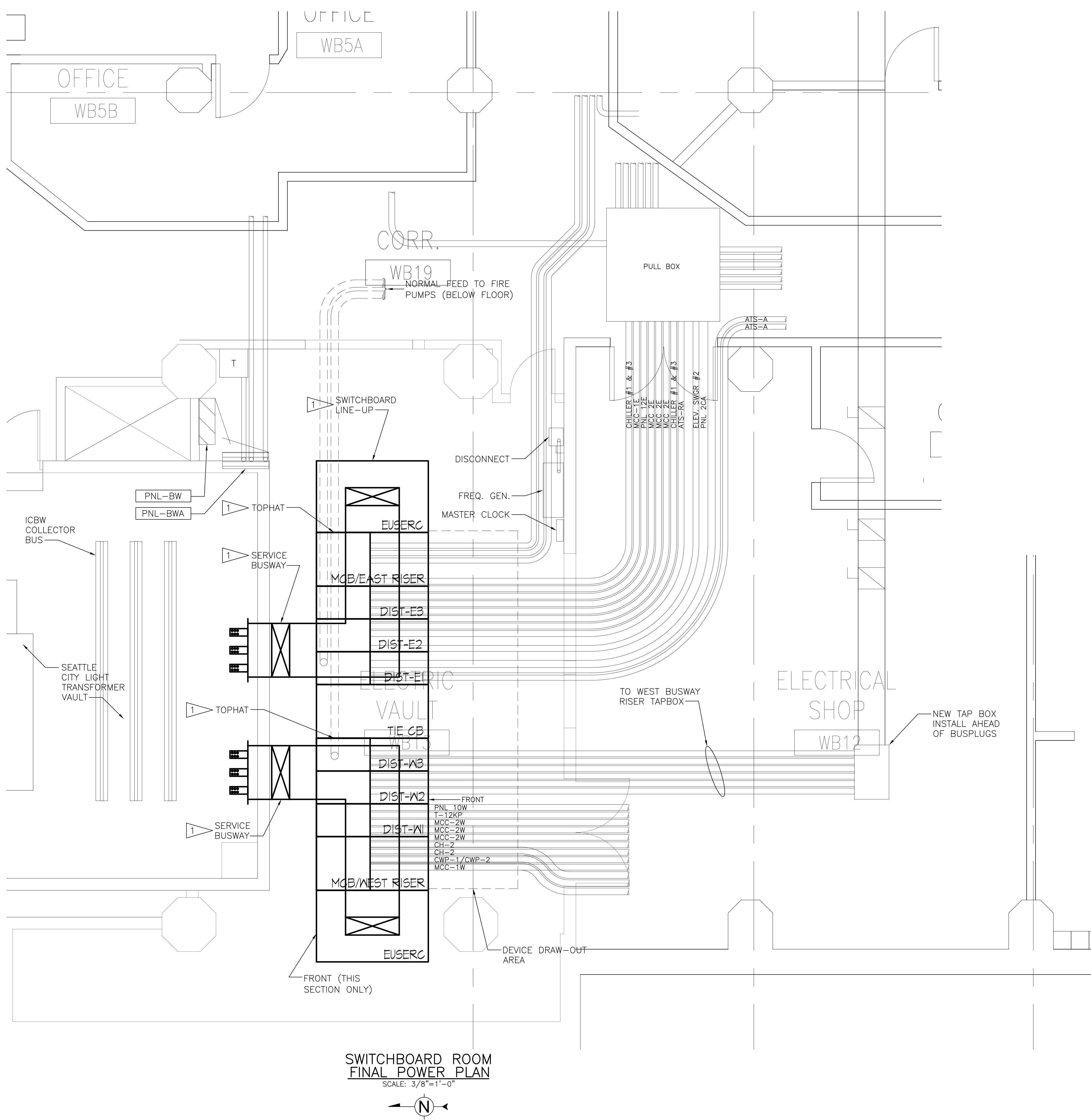
KING COUNTY COURTHOUSE
516 THIRD AVENUE
SEATTLE, WA 98104

OWNER:
KING COUNTY
500 - 4TH AVENUE, ROOM 320
SEATTLE, WA 98104

SHEET TITLE
COVER SHEET

DRAWN JR DATE 01/03/06
CHECKED SE PROJECT NO. 04110

PLAN & ELEVATIONS	ONE-LINE DIAGRAM	DESCRIPTION	ONE-LINE DIAGRAM	DESCRIPTION			ABBREVIATION	WORD
 		MATING CONTACTS (DRAWOUT EQUIPMENT)		NEUTRAL BUS			A, AMP	AMPERE
		THERMAL OVERLOAD HEATER		GROUND BUS			AF	AMPERE FUSE
		DISCONNECT SWITCH (NON-FUSED)					AHJ	AUTHORITY HAVING JURISDICTION
		DISCONNECT SWITCH (FUSED)					AL	ALUMINUM
		AUTOMATIC TRANSFER SWITCH					AS	AMPERE SWITCH
		BUS CONNECTION (N=NEUTRAL, G=GROUND)					AUTO	AUTOMATIC
		CARTRIDGE FUSE AND FUSEHOLDER					AUX	AUXILIARY
		CIRCUIT BREAKER: 200A CURRENT SENSOR OR TRIP SETTING, 3 POLE SHOWN					AWG	AMERICAN WIRE GAUGE
		AVAILABLE FAULT CURRENT (AMPS)					BLDG	BUILDING
		ONE-LINE FEEDER CONTINUATION					BP	BY-PASS CONTACTOR
		TRANSFORMER					C	CONDUIT
		CURRENT TRANSFORMER (NUMBERS INDICATE TRANSFORMER RATIO)					CB	CIRCUIT BREAKER
		POTENTIAL TRANSFORMER (NUMBERS INDICATE TRANSFORMER VOLTAGES)					CDR	CONDUCTOR
		GROUND CONNECTION					CKT	CIRCUIT
		CONDUCTORS NOT CONNECTED					CO	CONDUIT ONLY
		CONDUCTORS CONNECTED					CONTD	CONTINUED
		MECHANICAL CONNECTION, INTERLOCKS					CR	CONTROL RELAY
		EQUIPMENT ENCLOSURE/ BOUNDARY					CU	COPPER
		METER OR SWITCH, LETTER INDICATES: F-FREQUENCY METER, A-AMMETER, H-HOURLMETER, PF-POWER FACTOR, T-TACHOMETER, V-VOLTMETER, VR-VARMETER, W-WATTMETER, VS-VOLTMETER SWITCH, AS-AMMETER SWITCH, DEM-DEMAND METER, KWH-WATTHOUR METER, (CIRCLE USED WITH METERS, SQUARE USED WITH SWITCHES)					DB	DUCT BANK
		BUSWAY CONNECTION FLANGE					DET	DETAIL
		POWER MONITOR, CUSTOMER METERING					DIAG	DIAGRAM
		LARGE DRAWOUT BREAKER (POSITION NOTED)					DISC	DISCONNECT
		SMALL DRAWOUT BREAKER (POSITION NOTED)					EL, ELEV	ELEVATION
		GROUND-Fault SENSOR AND TRIP UNIT					EMER	EMERGENCY
		KIRK-KEY INTERLOCK					EQUIP	EQUIPMENT
		UTILITY SERVICE POINT OF CONNECTION					FDR	FEEDER
		BUSWAY CONNECTION FLANGE					FSD	FIRE SMOKE DAMPER
		POWER MONITOR, CUSTOMER METERING					FV	FRONT VIEW
		LARGE DRAWOUT BREAKER (POSITION NOTED)					GF	GROUND FAULT
		SMALL DRAWOUT BREAKER (POSITION NOTED)					GFD	GROUND FAULT DELAY
		GROUND-Fault SENSOR AND TRIP UNIT					GFCI	GROUND-FAULT CIRCUIT INTERRUPTING
		KIRK-KEY INTERLOCK					GFI	GROUND-FAULT INTERRUPTION
		UTILITY SERVICE POINT OF CONNECTION					GFP	GROUND-FAULT PROTECTION
		BUSWAY CONNECTION FLANGE					GND	GROUND
		POWER MONITOR, CUSTOMER METERING					GRS	GALVANIZED RIGID STEEL
		LARGE DRAWOUT BREAKER (POSITION NOTED)					HH	HAND HOLE
		SMALL DRAWOUT BREAKER (POSITION NOTED)					HOA	HAND-OFF-AUTO
		GROUND-Fault SENSOR AND TRIP UNIT					HTR	HEATER
		KIRK-KEY INTERLOCK					HZ	HERTZ (CYCLES PER SECOND)
		UTILITY SERVICE POINT OF CONNECTION					IG	ISOLATED GROUND
		GROUND-Fault SENSOR AND TRIP UNIT					INST	INSTANTANEOUS
		KIRK-KEY INTERLOCK					KCMIL	THOUSAND CIRCULAR MILLS
		UTILITY SERVICE POINT OF CONNECTION					KV	KILOVOLTS
		BUSWAY CONNECTION FLANGE					KVA	KILOVOLT AMPERES (APPARENT POWER)
		POWER MONITOR, CUSTOMER METERING					KVAR	KILOVAR (REACTIVE POWER)
		LARGE DRAWOUT BREAKER (POSITION NOTED)					KW	KILOWATTS (REAL POWER)
		SMALL DRAWOUT BREAKER (POSITION NOTED)					KWH	KILOWATT HOUR
		GROUND-Fault SENSOR AND TRIP UNIT					LA	LIGHTNING ARRESTOR
		KIRK-KEY INTERLOCK					LS	LEVEL SWITCH
		UTILITY SERVICE POINT OF CONNECTION					LSH	LEVEL SWITCH HIGH
		GROUND-Fault SENSOR AND TRIP UNIT					LT	LONG-TIME
		KIRK-KEY INTERLOCK					LTD	LONG-TIME DELAY
		UTILITY SERVICE POINT OF CONNECTION					LTG	LIGHTING
		BUSWAY CONNECTION FLANGE					LV	LOW VOLTAGE
		POWER MONITOR, CUSTOMER METERING					mA	MILLIAMPERES
		LARGE DRAWOUT BREAKER (POSITION NOTED)					MAN	MANUAL
		SMALL DRAWOUT BREAKER (POSITION NOTED)					MCC	MOTOR CONTROL CENTER
		GROUND-Fault SENSOR AND TRIP UNIT					MH	MAN HOLE
		KIRK-KEY INTERLOCK					MTR,M	MOTOR
		UTILITY SERVICE POINT OF CONNECTION					MTS	MANUAL TRANSFER SWITCH
		GROUND-Fault SENSOR AND TRIP UNIT					mV	MILLIVOLTS
		KIRK-KEY INTERLOCK					NA	NON-AUTO
		UTILITY SERVICE POINT OF CONNECTION					N.C.	NORMALLY CLOSED
		BUSWAY CONNECTION FLANGE					NF	NON-FUSED
		POWER MONITOR, CUSTOMER METERING					N.O.	NORMALLY OPEN
		LARGE DRAWOUT BREAKER (POSITION NOTED)					NO.	NUMBER
		SMALL DRAWOUT BREAKER (POSITION NOTED)					NP	NAMEPLATE
		GROUND-Fault SENSOR AND TRIP UNIT					NTS	NOT TO SCALE
		KIRK-KEY INTERLOCK					OL	OVERLOAD
		UTILITY SERVICE POINT OF CONNECTION					PC	PHOTOELECTRIC CONTROL UNIT
		GROUND-Fault SENSOR AND TRIP UNIT					PH, ø	PHASE
		KIRK-KEY INTERLOCK					PNL	PANEL
		UTILITY SERVICE POINT OF CONNECTION					PS	PLUG STRIP
		BUSWAY CONNECTION FLANGE					PVC	POLYVINYL CHLORIDE
		POWER MONITOR, CUSTOMER METERING					REF	REFERENCE
		LARGE DRAWOUT BREAKER (POSITION NOTED)					RECP	RECEPTACLE
		SMALL DRAWOUT BREAKER (POSITION NOTED)					S, SEC	SECOND
		GROUND-Fault SENSOR AND TRIP UNIT					SEL	SELECTOR
		KIRK-KEY INTERLOCK					SPEC	SPECIFICATION
		UTILITY SERVICE POINT OF CONNECTION					S.S.	STAINLESS STEEL
		GROUND-Fault SENSOR AND TRIP UNIT					ST	SHORT-TIME
		KIRK-KEY INTERLOCK					STD	SHORT-TIME DELAY
		UTILITY SERVICE POINT OF CONNECTION					SW	SWITCH
		BUSWAY CONNECTION FLANGE					SWGR	SWITCH GEAR
		POWER MONITOR, CUSTOMER METERING					TB	TERMINAL BOX, TERMINAL BLOCK
		LARGE DRAWOUT BREAKER (POSITION NOTED)					TOA	TEST-OFF-AUTO
		SMALL DRAWOUT BREAKER (POSITION NOTED)					TSP	TWISTED SHIELDED PAIR
		GROUND-Fault SENSOR AND TRIP UNIT					TST	TWISTED SHIELDED TRIAD
		KIRK-KEY INTERLOCK					TYP	TYPICAL
		UTILITY SERVICE POINT OF CONNECTION					UGP	UNDERGROUND POWER
		GROUND-Fault SENSOR AND TRIP UNIT					UGT	UNDERGROUND TELEPHONE
		KIRK-KEY INTERLOCK					UP	UTILITY POWER
		UTILITY SERVICE POINT OF CONNECTION					UPS	UNINTERRUPTIBLE POWER SUPPLY
		BUSWAY CONNECTION FLANGE					V	VOLTS
		POWER MONITOR, CUSTOMER METERING						



FLAG NOTES

1 FURNISH EQUIPMENT NOTED.

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JOHN A. RYAN
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 01/22/06
SHANNON ENGLISH
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER
EXPIRES 2/10/07

NO.	DATE	DESCRIPTION
REVISIONS		

PROJECT:
KING COUNTY COURTHOUSE
COURTHOUSE ELECTRICAL
DISTRIBUTION SYSTEM
IMPROVEMENTS,
SWITCHBOARD PROCUREMENT

KING COUNTY COURTHOUSE
518 THIRD AVENUE
SEATTLE, WA 98104

OWNER:
KING COUNTY
500 - 4th AVENUE, ROOM 320
SEATTLE, WA 98104

SHEET TITLE
FINAL ELECTRICAL
SWITCHBOARD ROOM PLAN

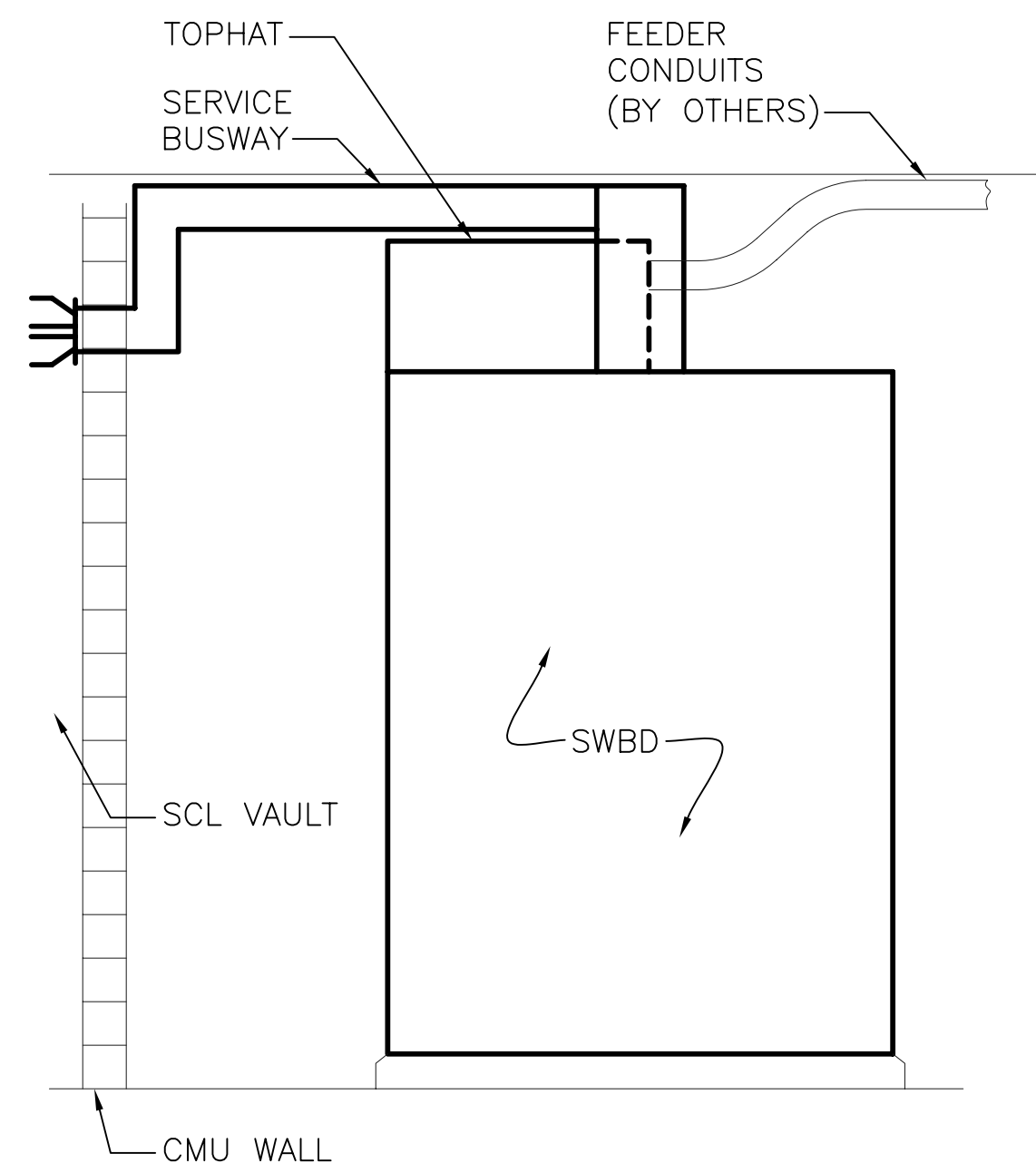
DRAWN JR DATE 01/03/06
CHECKED SE PROJECT NO. 04110

SHEET

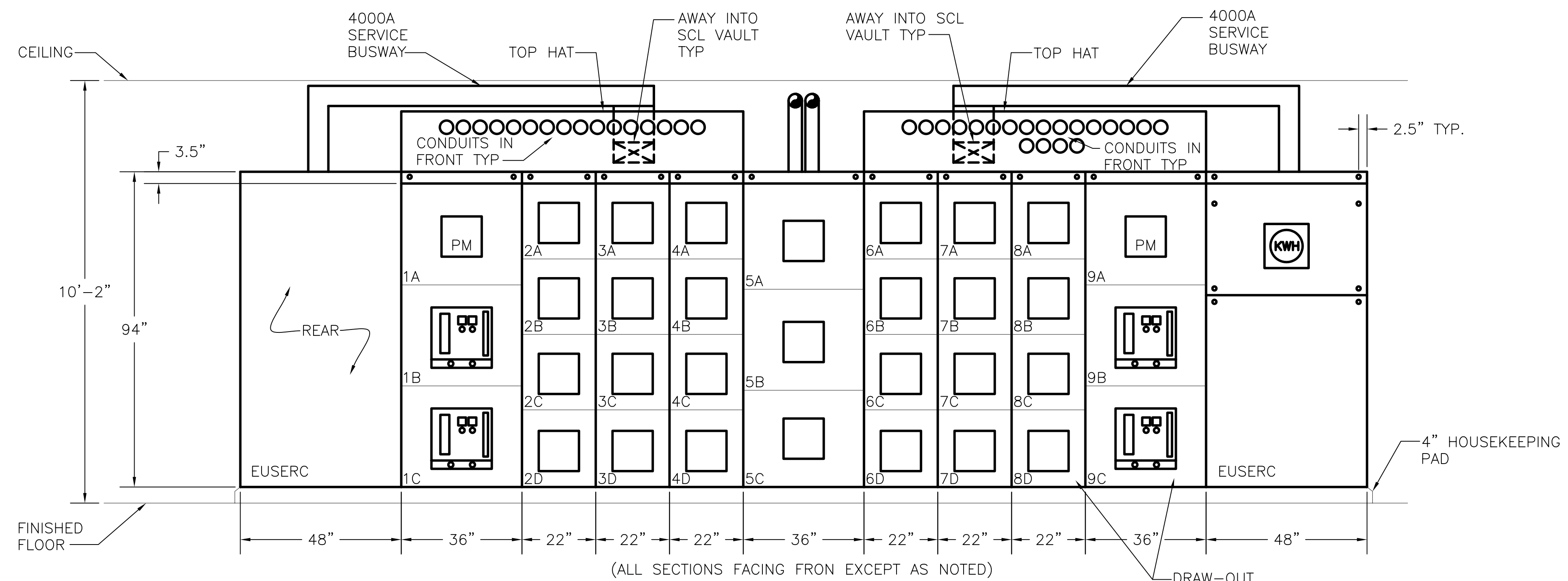
E2.0P

OF 5 SHEETS

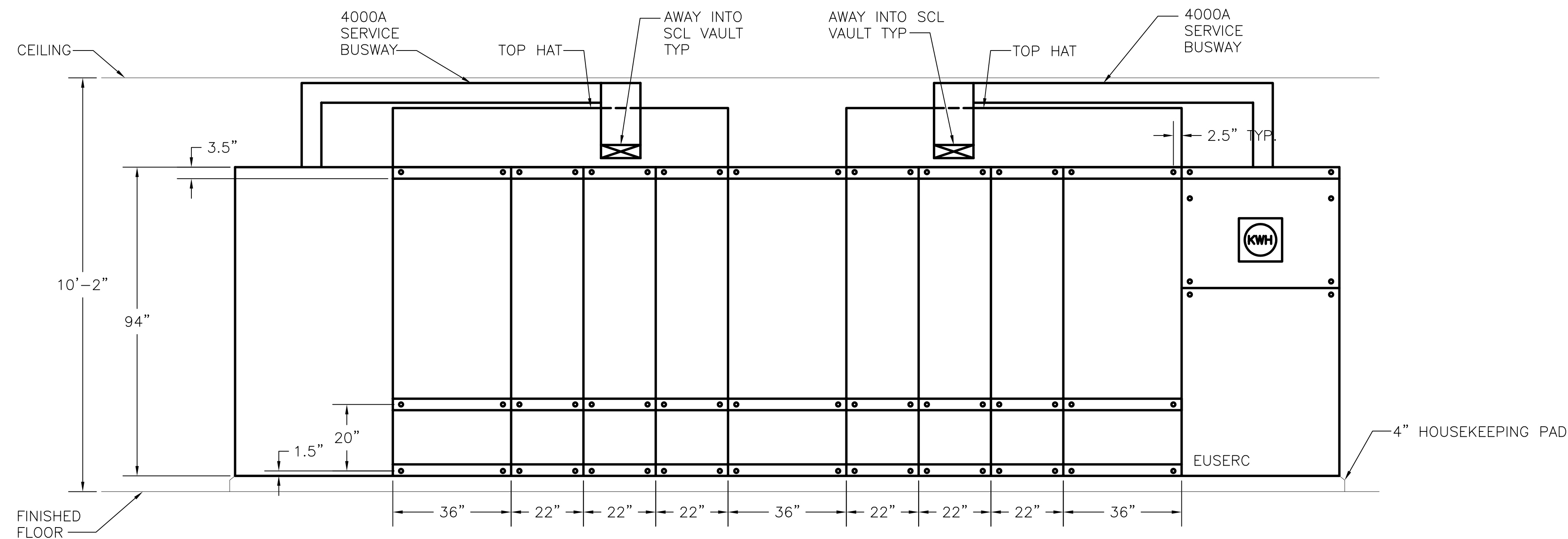
C53029C



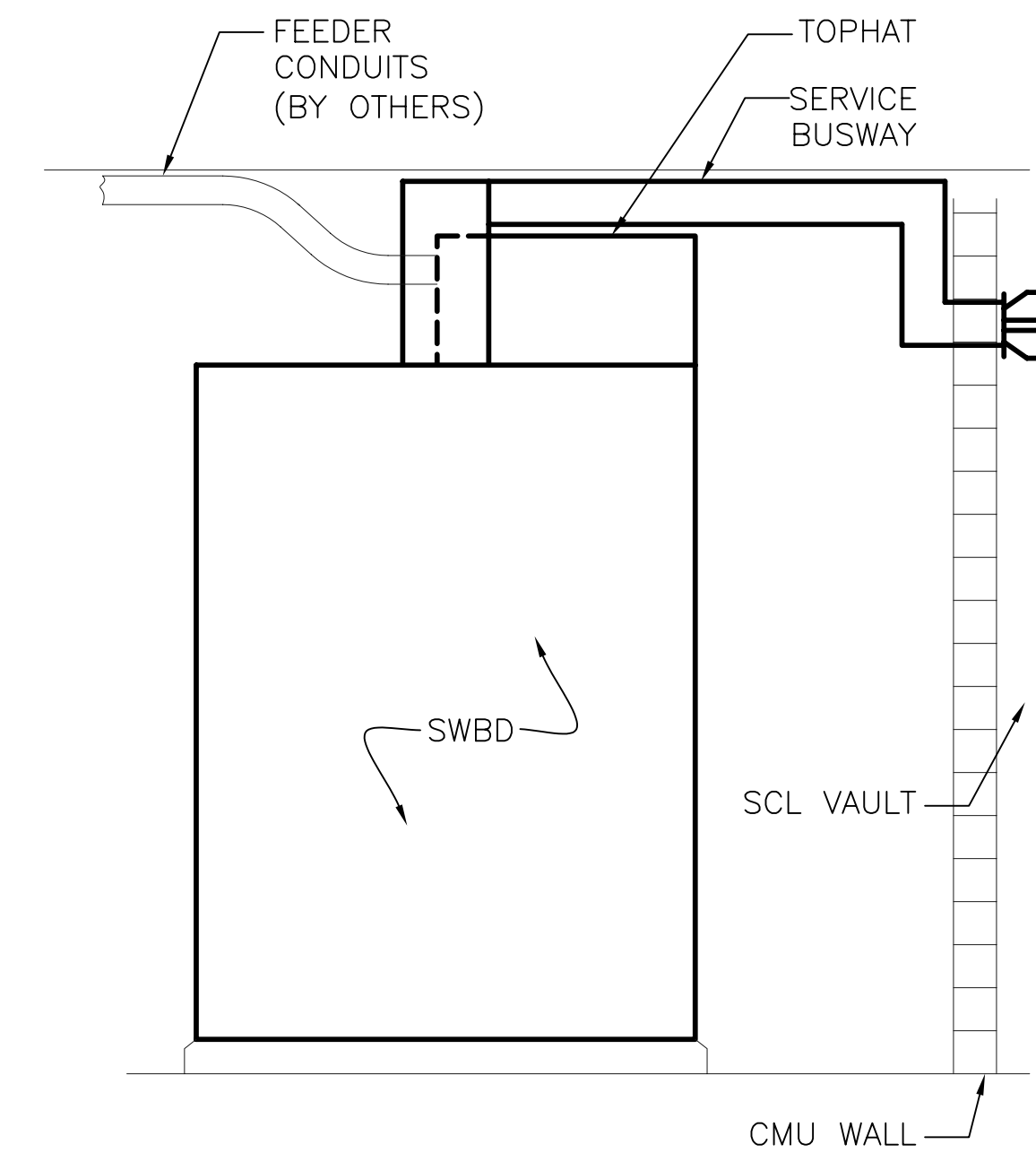
SWITCHBOARD EAST ELEVATION
SCALE: 1/2"=1'-0"



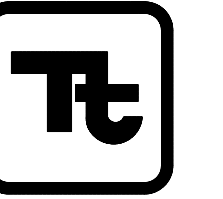
SWITCHBOARD FRONT ELEVATION
SCALE: 1/2"=1'-0"



SWITCHBOARD BACK ELEVATION
SCALE: 1"=1'-0"



SWITCHBOARD WEST ELEVATION
SCALE: 1/2"=1'-0"

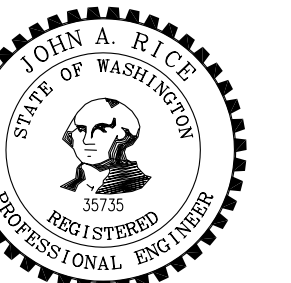


TETRA TECH/KCM

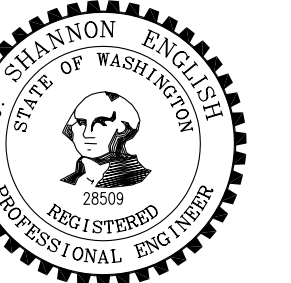
Western Washington
18311 Bothell-Everett Hwy. # 260
Bothell, WA 98012
Ph: 425.402.6029 Fax: 425.483.3989
Eastern Washington
103 Palouse, # 10
Wenatchee, WA 98801
Ph: 509.667.1625 Fax: 509.667.2433
www.ecs-engineering.com

CONSULTANT:

ELECTRICAL ENGINEERS:
TETRA TECH/KCM
18311 BOTHELL EVERETT HWY.
SUITE #260
BOTHELL, WA 98102



EXPIRES 01/22/06



EXPIRES 2/10/07

NO.	DATE	DESCRIPTION
REVISIONS		

PROJECT:
KING COUNTY COURTHOUSE
COURTHOUSE ELECTRICAL
DISTRIBUTION SYSTEM
IMPROVEMENTS,
SWITCHBOARD PROCUREMENT

KING COUNTY COURTHOUSE
518 THIRD AVENUE
SEATTLE, WA 98104

OWNER:
KING COUNTY
500 - 4th AVENUE, ROOM 320
SEATTLE, WA 98104

SHEET TITLE
SWITCHBOARD
ELEVATIONS

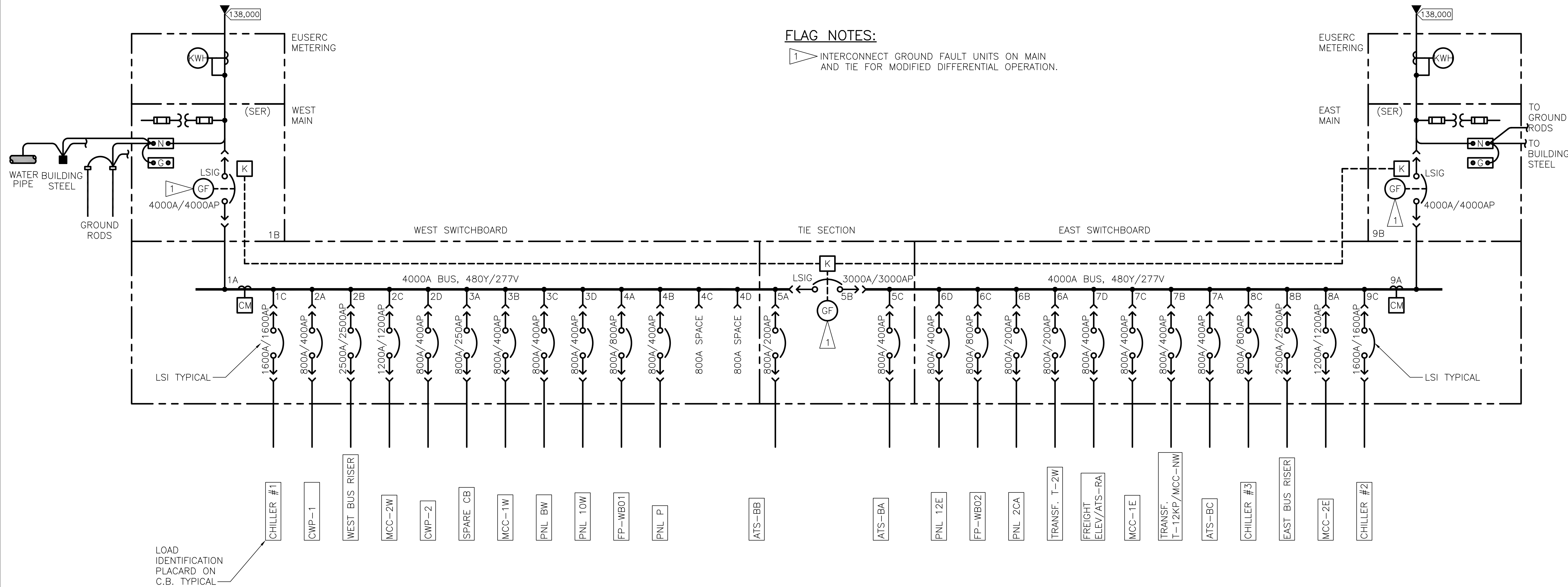
DRAWN JR DATE 01/03/06
CHECKED SE PROJECT NO. 04110

SHEET

E3.OP

OF 5 SHEETS

C53029C



COMPREHENSIVE
SWITCHBOARD ONE-LINE DIAGRAM

SCALE: 1"=1'-0"

COORDINATION SETTINGS MATRIX									
LOAD ID	FRAME	TRIP	LT	LTD	ST	STD	INST	GF	GFD
WEST MAIN	4000	4000							
CHILLER #1	1600	1600							
CWP-1	800	400							
WEST BUS RISER	2500	2500							
MCC-2W	1200	1200							
CWP-2	800	400							
MCC-1W	800	400							
PNL BW	800	400							
PNL 10W	800	400							
FP-WB01	800	800							
PNL P	800	400							
ATS-BB	800	200							
TIE BREAKER	3000	3000							
ATS-BA	800	400							
PNL 12E	800	400							
FP-WB02	800	800							
PNL 2CA	800	200							
TRANSF. T-2W	800	200							
FREIGHT ELEV./ATS-RA	800	400							
MCC-1E	800	400							
TRANSF. T-12KP/MCC-NW	800	400							
ATS-BC	800	400							
CHILLER #3	800	800							
EAST BUS RISER	2500	2500							
MCC-2E	1200	1200							
CHILLER #2	1600	1600							
EAST MAIN	4000	4000							



ATTACHMENT A
INVITATION TO BID 13018-ART
KING COUNTY CONTRACTING OPPORTUNITIES PROGRAM
FOR GOODS AND SERVICES CONTRACTS

The King County Contracting Opportunities Program is a public contracting assistance program that is being implemented on a one-year pilot basis. The purpose of the Program is to maximize the participation of Small Economically Disadvantaged Businesses through the use of a five percent (5%) incentive factor in the award of King County contracts for the purchase of goods and services.

A "Small Economically Disadvantaged Business" (SEDB) means that a business and the person or persons who own and control it are in a financial condition which puts the business at a substantial disadvantage in attempting to compete for public contracts. The relevant financial condition for eligibility under the Program is based on a dollar ceiling for standard business classifications that is set at fifty percent (50%) of the Federal Small Business Administration (SBA) and Owners' Personal Net Worth less than \$750K dollars.

A "Certified Firm" means a business that has applied for participation in King County's Contracting Opportunities Program, and has been certified as an SEDB by the King County Business Development and Contract Compliance (BDCC) office. Information about becoming a Certified Firm, as well as a list of Certified Firms, may be obtained by contacting the BDCC office at 206- 205-0700.

Application of the 5% Incentive Factor and Contract Award:

1. This contract will be awarded to the lowest responsive, responsible offeror; provided, however, that if the bid price of a responsive, responsible SEDB is within five percent (5%) of the bid price of the lowest responsive, responsible offeror, and that offeror is not a SEDB, then the contract shall be awarded to the low SEDB offeror.
2. All certified SEDB offerors must complete the information in the section for Offeror Identification as described in the front page of this Invitation To Bid and the certification information below.
3. (___) Check if firm submitting Bid is a Small Economically Disadvantaged Business Enterprise certified by King County that will perform the entire contract unassisted.

Name of SEDB Business

SEDB Certification Number

Owner Signature

Contact Person Name and Phone Number

BID OPENING LABEL

Complete the form below (or a reasonable facsimile thereof) and affix to the exterior lower left hand corner of the submission package.

U R G E N T – SEALED BID ENCLOSED Do Not Delay – Deliver Immediately	
U R G E N T	 King County King County Procurement & Contract Services Section Exchange Building, 8 th Floor 821 2nd Ave., EXC-FI-0862 Seattle, WA 98104-1598
	Bid No. IT13018-ART
	Bid Title Main Service Electrical Switchgear
	Due Date
	Vendor
U R G E N T	